

Capacity of coherent free-space optical links using diversity-combining techniques: errata

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Abstract: A misprint in our manuscript is reported and corrected.

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References and links

1. A. Belmonte, and J. M. Kahn, "Capacity of coherent free-space optical links using diversity-combining techniques," *Opt. Express* **17**(15), 12601–12611 (2009).
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There is a misprint in Eq. (6) of our paper [1]. The cumulative distribution function of the SNR γ_{MRC} , which is defined as the probability that the output SNR γ_{MRC} falls below a certain specified threshold γ_t , or outage probability, should read as

$$\begin{aligned} F_{MRC}(\gamma_t) &= \int_0^{\gamma_t} d\gamma_{MRC} p_{\gamma}(\gamma_{MRC}) \\ &= 1 - Q_L\left(\sqrt{2Lr}, \sqrt{\frac{2(1+r)}{\gamma}} \gamma_t\right) \end{aligned} \quad (6)$$

The authors regret the error, which do not affect any of the numerical results or conclusions presented in [1].